



**MIAMI-DADE COUNTY**  
**DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY**  
**AFFAIRS (PERA)**  
**BOARD AND CODE ADMINISTRATION DIVISION**  
**NOTICE OF ACCEPTANCE (NOA)**

**MIAMI-DADE COUNTY**  
**PRODUCT CONTROL SECTION**  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

**Raynor Garage Doors**  
**1101 East River Road, P.O. Box 448**  
**Dixon, IL 61021**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: TradeMark Steel Sectional Garage Door up to 18'-2" Wide**

**APPROVAL DOCUMENT:** Drawing No. **P-3308**, titled "Spec, Wind Load TradeMark", sheets 1 through 3 of 3, dated 10/23/2009, prepared by the manufacturer, signed and sealed by Richard A. Baumann, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** A permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises** NOA # **10-0420.02** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*[Signature]*  
10/24/2012

**NOA No. 12-0517.14**  
**Expiration Date: October 20, 2015**  
**Approval Date: August 2, 2012**  
**Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS “Submitted under NOA # 10-0420.02”**

1. Drawing No. **P-3308**, titled “Spec, Wind Load TradeMark”, sheets 1 through 3 of 3, dated 10/23/2009, prepared by the manufacturer, signed and sealed by Richard A. Baumann, P.E.

**B. TESTS “Submitted under NOA # 10-0420.02”**


1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
Along with marked-up drawings and installation diagram of 16’x 7’ TradeMark Sectional Steel Garage Doors, prepared by Hurricane Test Laboratory, LLC, Test Report No. **G493-1102-09**, dated 02/03/2010, signed and sealed by Vinu J. Abraham, P.E.
2. Test report on Forced Entry Resistance Test, per FBC 2411 3.2.1, TAS 202-94 of two (one TradeMark and one Showcase) 16’x 7’ Sectional Garage Doors, prepared by Hurricane Test Laboratory, LLC, Test Report No. **G493-0706-10**, dated 08/10/2010, signed and sealed by Vinu J. Abraham, P.E.
3. Test report on Tensile Test per ASTM E8, of steel sheet, prepared by Certified Testing Laboratories, Test Report No. **0037T**, dated 01/20/2010, signed and sealed by Ramesh Patel, P.E.
4. Test report on Salt Spray per ASTM B117 of painted G40 galvanized painted steel, prepared by Wendler Engineering Services, Inc., dated 04/12/2010, signed and sealed by Richard A. Baumann, P.E.

**C. CALCULATIONS “Submitted under NOA # 10-0420.02”**

1. Jamb attachment verification calculations, prepared by Wendler Engineering Services, Inc., dated 04/13/2010, signed and sealed by Richard A. Baumann, P.E.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)



07/24/2012

Carlos M. Utrera, P.E.

Product Control Examiner

NOA No. 12-0517.14

Expiration Date: October 20, 2015

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**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of code conformance to 2010 FBC, issued by Wendler Engineering Services, Inc., dated 05/14/2012, signed and sealed by Richard A. Baumann, P.E.

*"Submitted under NOA # 10-0420.02"*

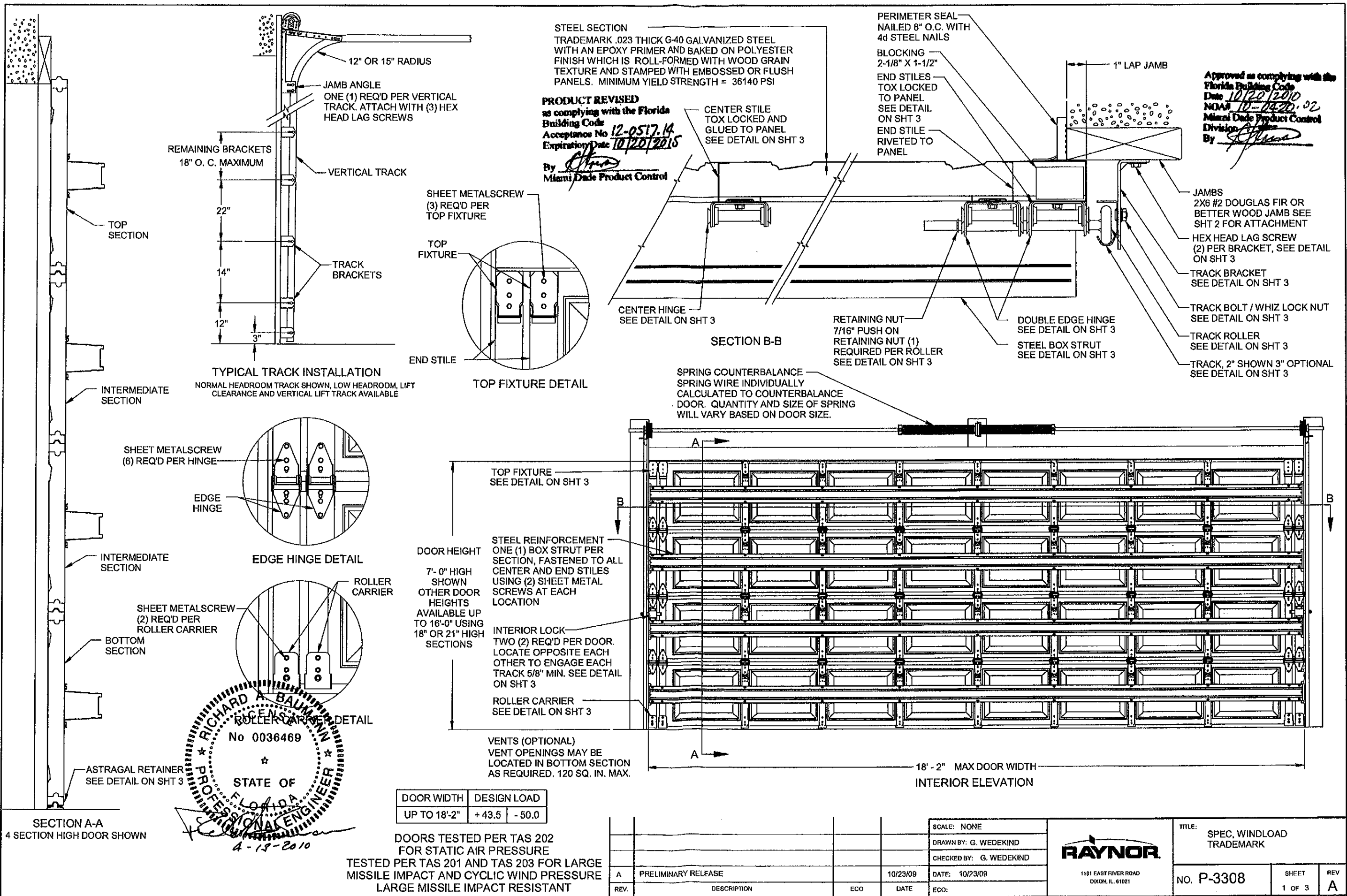
2. Statement letter of code conformance with FBC 2007, issued by Wendler Engineering Services, Inc., dated 04/12/2010, signed and sealed by Richard A. Baumann, P.E.
3. Statement letter of no financial interest issued by Wendler Engineering Services, Inc., dated 04/12/2010, signed and sealed by Richard A. Baumann, P.E.

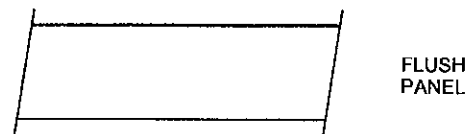
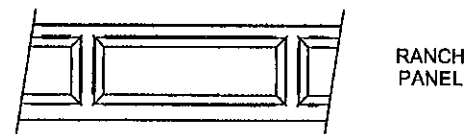
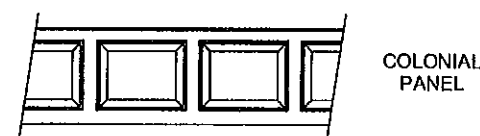
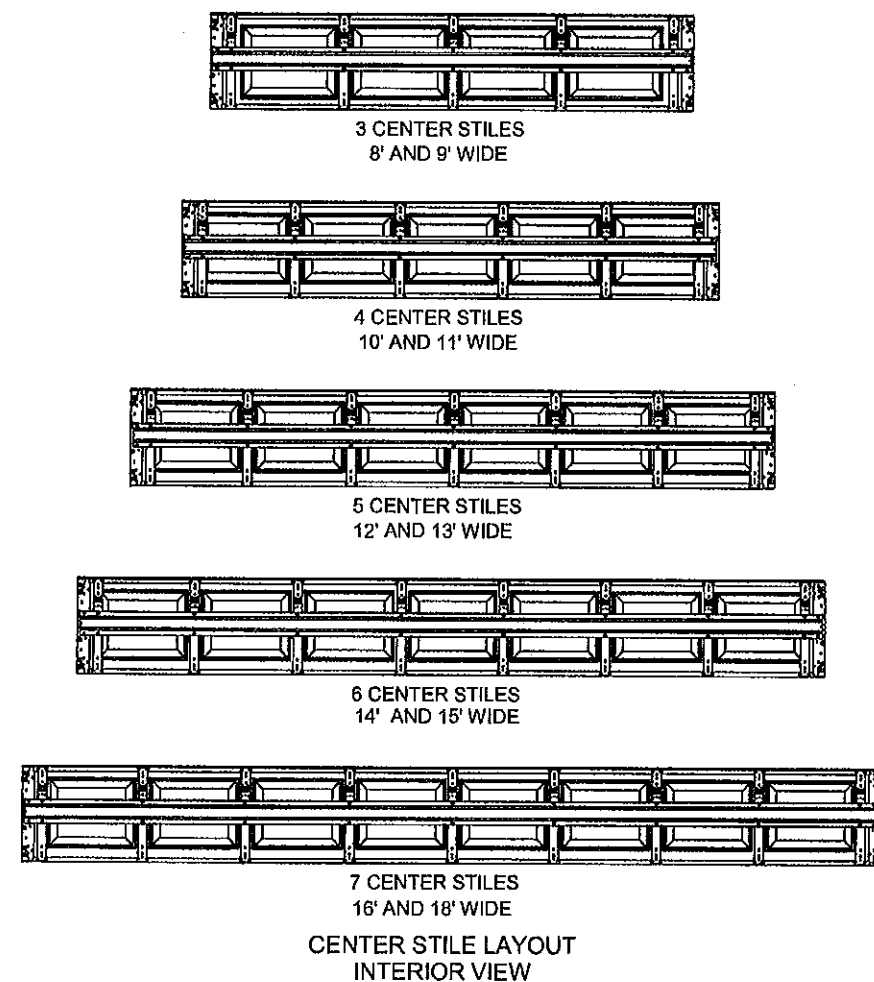


07/24/2012

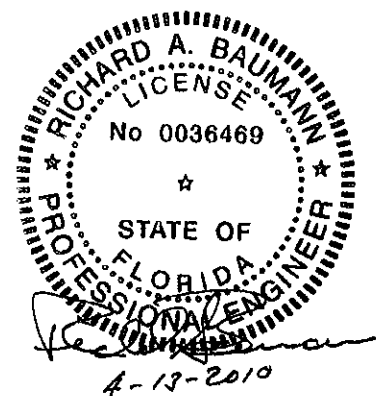
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Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 12-0517.14  
Expiration Date: October 20, 2015  
Approval Date: August 2, 2012





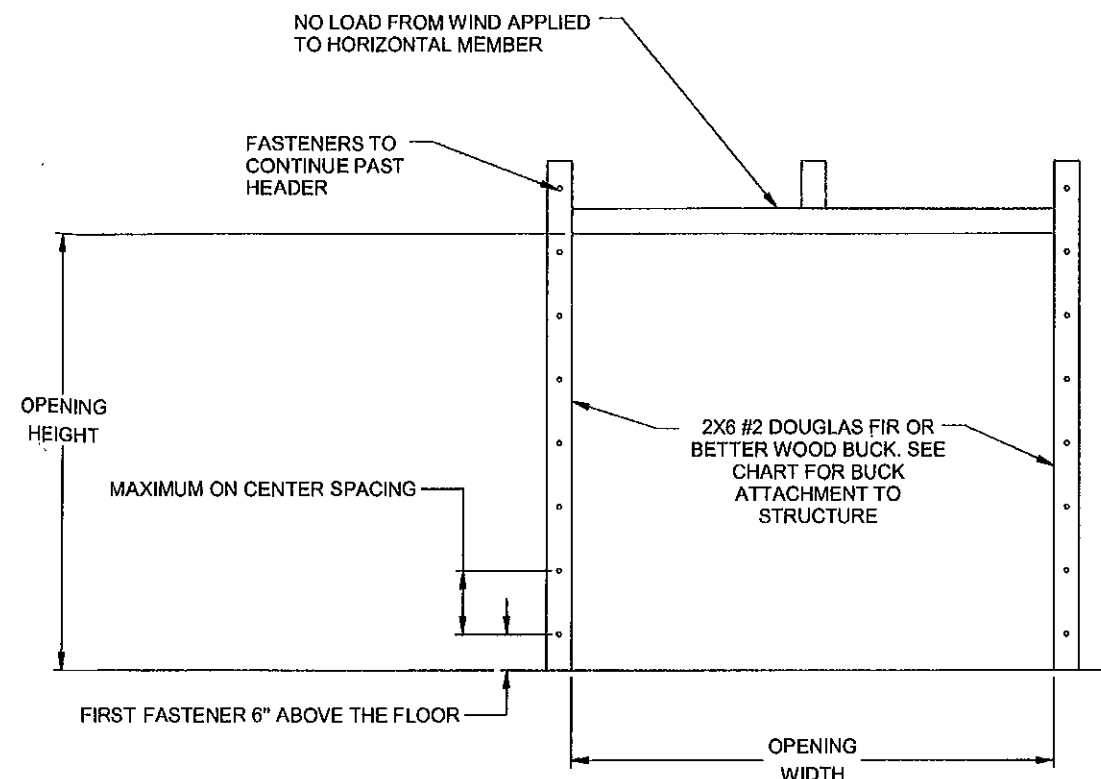
PANEL OPTIONS  
EXTERIOR VIEW



#### JAMB ATTACHMENT NOTES

1. 1/4" DIAMETER ANCHORS REQUIRE 5/8" MIN. O.D. STEEL WASHER.
2. 5/16" AND 3/8" DIAMETER FASTENERS REQUIRE 7/8" MIN O.D. STEEL WASHER.
3. MAXIMUM POSITIVE LOAD PER JAMB =  $(18' \times 43.5 \text{ PSF}) / 2 = 391.5 \text{ LBS PER FOOT}$
4. MAXIMUM NEGATIVE LOAD PER JAMB =  $(18' \times 60 \text{ PSF}) / 2 = 450 \text{ LBS PER FOOT}$ .
5. DESIGN OF THE SUPPORTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE BUILDING DESIGNER AND SHALL BE DESIGNED FOR THE JAMB LOADS LISTED IN NOTES 3 AND 4.

JAMB MATERIAL	FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE	ALLOWABLE TENSION LOAD	MAXIMUM ON CENTER SPACING
GROUT FILLED BLOCK	5/16" DIA X 3 1/4" LONG ITW TAPCON	1 3/4"	4"	487	14-3/4"
3192 PSI CONCRETE	1/4" DIA X 3 1/4" LONG ITW TAPCON	1 3/4"	1"	510	15-1/4"
2899 PSI CONCRETE	5/16" DIA X 3 3/4" LONG ITW TAPCON	2 1/4"	1 9/16"	713	21-1/2"
2000 PSI CONCRETE	3/8" DIA X 3 1/2" POWER STUD ANCHOR	1 5/8"	1 7/8"	380	10-3/4"
4000 PSI CONCRETE	3/8" DIA X 3 1/2" POWER STUD ANCHOR	1 5/8"	1 7/8"	570	17-1/4"
WOOD DOUGLAS FIR (G=.46)	5/16" DIA. X 3 1/2"	1 1/2"	1"	352	10-1/2"
WOOD SYP (G=.55)	5/16" DIA. X 3 1/2"	1 1/2"	1"	460	13-3/4"



#### PRODUCT REVISED

as complying with the Florida  
Building Code


Acceptance No. 12-0517.14  
Expiration Date 10/20/2015

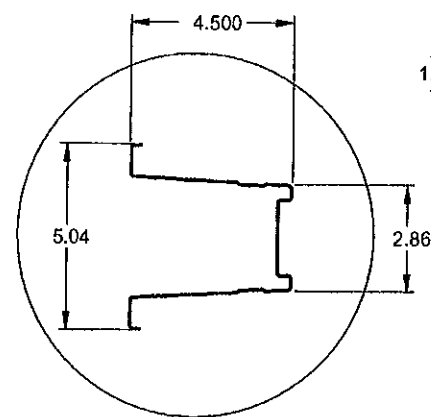
By *[Signature]*  
Miami Trade Product Control

Approved as complying with the  
Florida Building Code

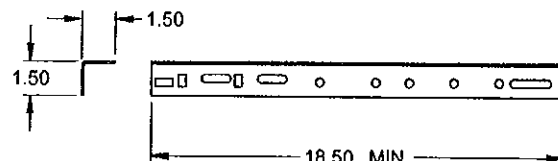
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NOA# 16-0420.02

By *[Signature]*  
Miami Trade Product Control

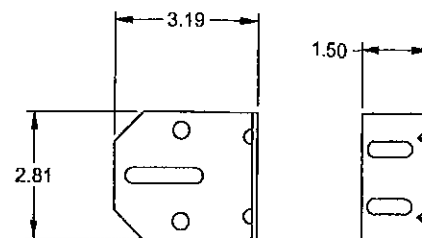
				SCALE: NONE	 1101 EAST RIVER ROAD DIXON, IL 61021	TITLE: SPEC, WINDLOAD TRADEMARK		
				DRAWN BY: G. WEDEKIND				
				CHECKED BY: G. WEDEKIND		NO. P-3308	SHEET 2 OF 3	REV A
				DATE: 10/23/09				
REV.	DESCRIPTION	ECO	DATE	ECO:				



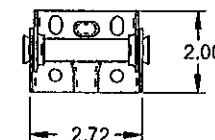
STEEL BOX STRUT DETAIL  
18 GA. (.049" MIN) GALVANIZED  
HIGH TENSILE STEEL  
80 KSI MINIMUM YIELD



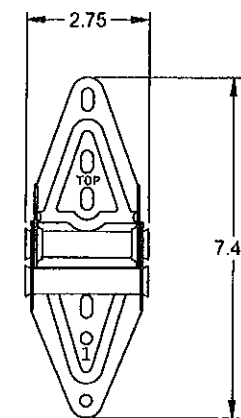
HORIZONTAL TRACK ANGLE  
.086 GALV. STEEL  
HORIZONTAL ANGLE ATTACHED WITH  
5/16" X 3/4" TRACK BOLT AND WHIZ NUT



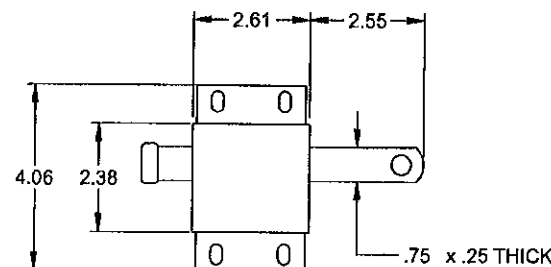
3" TRACK BRACKET  
.116 GALV STEEL



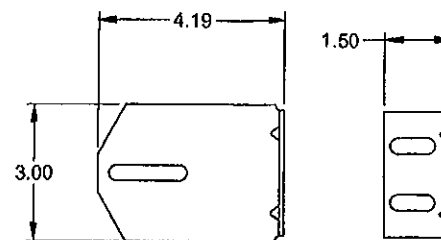
CENTER HINGE  
.045 GALV. STEEL



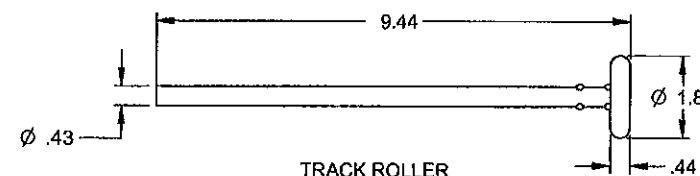
EDGE HINGE  
.086 GALV. STEEL



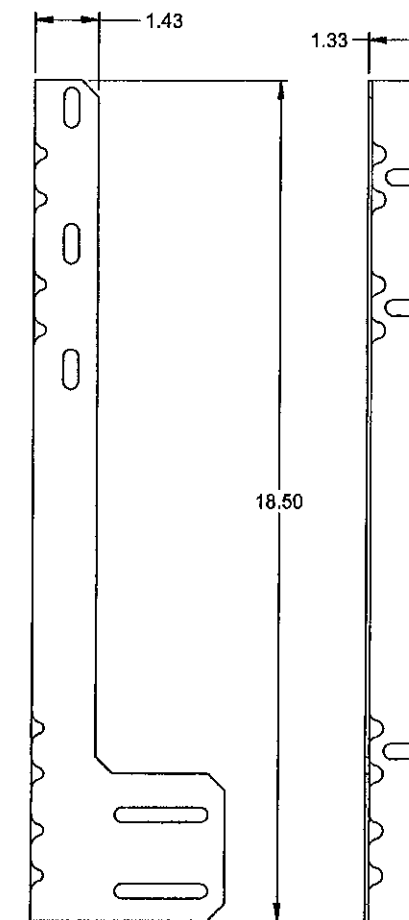
SLIDE LOCK  
CASE .086 GALV. STEEL



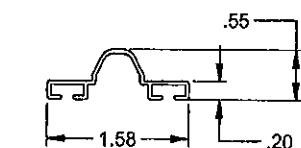
4" TRACK BRACKET  
.116 GALV. STEEL



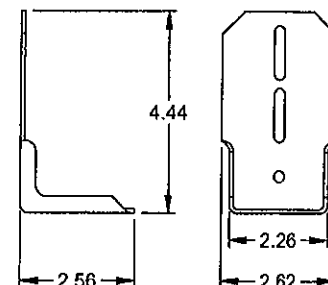
TRACK ROLLER



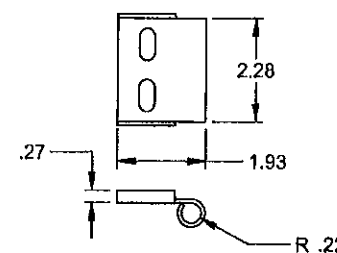
JAMB ANGLE  
.078 GALV. STEEL



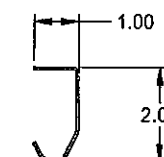
ASTRAGAL RETAINER  
.039 ALUMINUM



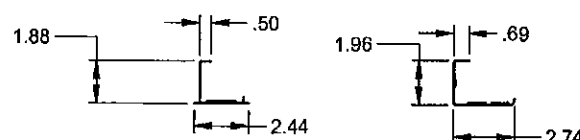
TOP FIXTURE  
.086 GALV. STEEL



ROLLER CARRIER  
.116 GALV. STEEL  
ATTACHED TO TOP FIXTURE WITH  
(2) TRACK BOLTS AND WHIZ NUTS

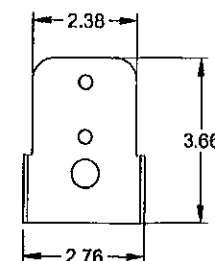


TRACK  
.086 GALV. STEEL

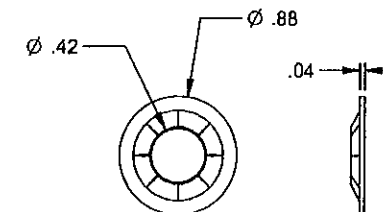


SECTION HEIGHT

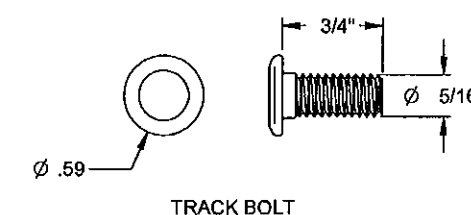
SECTION HEIGHT



ROLLER CARRIER  
.086 GALV. STEEL



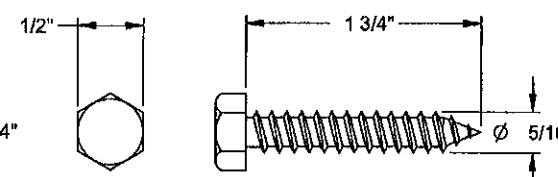
RETAINING NUT



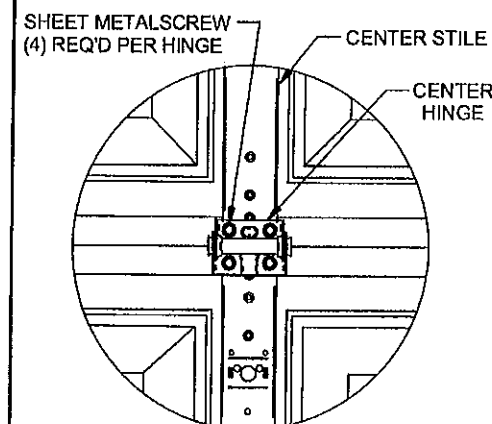
TRACK BOLT



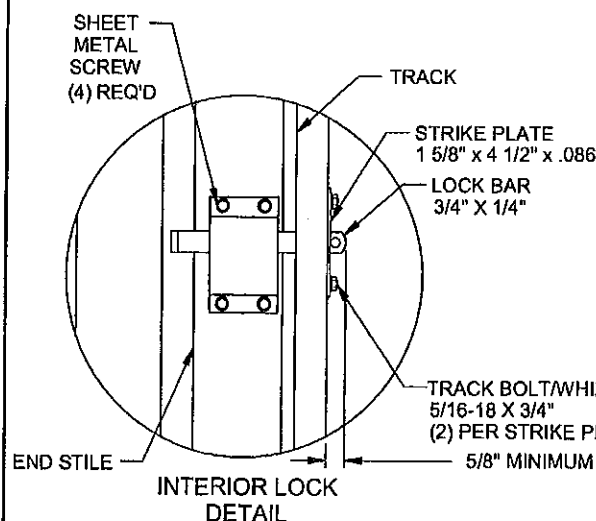
SHEET METAL SCREW



HEX HEAD LAG SCREW



CENTER HINGE  
DETAIL



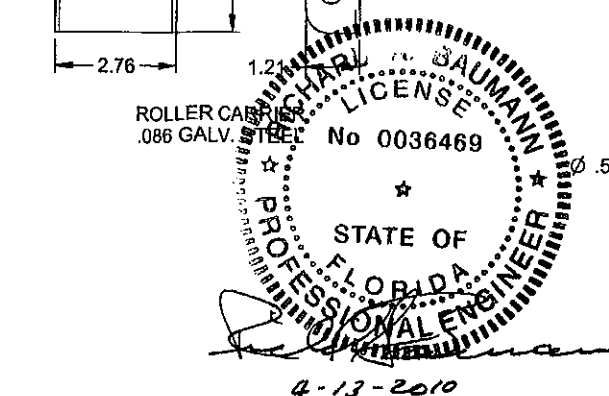
INTERIOR LOCK  
DETAIL

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-0517.14  
Expiration Date 10/20/2015  
By [Signature]  
Miami Dade Product Control

Approved as complying with the  
Florida Building Code  
Date 10/20/2010  
NOA# 10-0420.02  
Miami Dade Product Control  
Division  
By [Signature]

CENTER STILE  
.034 GALV. STEEL

END STILE  
.043 GALV. STEEL



REV.	DESCRIPTION	ECO	DATE	ECO:

SCALE: NONE	 1101 EAST RIVER ROAD DIXON, IL 61021	TITLE: SPEC, WINDLOAD TRADEMARK	
DRAWN BY: G. WEDEKIND		NO. P-3308	SHEET 3 OF 3
CHECKED BY: G. WEDEKIND			
DATE: 10/23/09			
ECO:			REV A